

Storm Data and Unusual Weather Phenomena - September 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ILLINOIS, South

(IL-Z087) GALLATIN, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z092) ALEXANDER, (IL-Z093) PULASKI, (IL-Z094) MASSAC

09/01/10 00:00 CST	0	Drought
09/30/10 23:59 CST	0	

Moderate drought conditions persisted over extreme southern Illinois through the month of September. The drought conditions were primarily in the Ohio River counties. With the exception of a heavy rainfall event from the remnants of Tropical Storm Hermine, rainfall was practically non-existent in September. Hermine brought three to four inches of rain on the 9th and 10th. While this rainfall was very beneficial, it was the only significant rainfall during the month. Hermine greatly improved short-term rainfall deficits, but year-to-date rainfall deficits were still eight to ten inches. Crop harvests were well underway in September, but crop damage figures were not yet available.

INDIANA, Southwest

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

09/17/10 07:00 CST	0	Drought
09/30/10 23:59 CST	0	

Moderate drought conditions developed over southwest Indiana during the month of September. With the exception of a minor rainfall event from the remnants of Tropical Storm Hermine, rainfall was almost non-existent in September. Hermine brought around one-quarter inch of rain on the 9th and 10th, otherwise there was no significant rainfall during the month. At Evansville, the monthly rainfall of 0.36 inch was the third driest September on record. Year-to-date rainfall deficits were around twelve inches. By month's end, 86 percent of Indiana topsoil was rated short or very short on moisture, and 82 percent of subsoil was rated as short or very short. Sixty percent of pasture land was rated as poor or very poor. A ban on outdoor burning was imposed in the following counties: Vanderburgh (including Evansville), Gibson, Warrick, and Spencer. Crop harvests were well underway in September, but crop damage figures were not yet available.

KENTUCKY, Southwest

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCracken, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN

09/01/10 00:00 CST	0	Drought
09/30/10 23:59 CST	0	

Severe drought developed over a few counties near the Mississippi River, while moderate drought conditions persisted over most of the remainder of western Kentucky during the month of September. With the exception of a heavy rainfall event from the remnants of Tropical Storm Hermine, rainfall was practically non-existent in September. Hermine brought two to four inches of rain on the 9th and 10th to parts of southwest Kentucky. While this rainfall was very beneficial, it was the only significant rainfall during the month. Hermine greatly improved short-term rainfall deficits in parts of southwest Kentucky, but year-to-date rainfall deficits were still eight to twelve inches. Most of Hermine's rainfall missed northwest Kentucky, including the Owensboro and Henderson areas. By month's end, 88 percent of Kentucky topsoil was rated short or very short on moisture, and 89 percent of subsoil was rated as short or very short. Sixty-five percent of pasture land was rated as poor or very poor, which impacted hay crops. Bans on outdoor burning were imposed in various counties at various times, depending on the effects of former Tropical Storm Hermine. A state firefighter was injured while fighting a 12-acre woods fire in Livingston County. Crop harvests were well underway in September, but crop damage figures were not yet available. Preliminary estimates from farmers and agricultural extension agents were that corn crop yields would be down 30 to 50 percent in some areas, and soybean yields would be down 50 to 70 percent. Most of western Kentucky was still designated by the state of Kentucky as a drought management area because water supplies were down. In August, the governor of Kentucky sought a federal disaster declaration for west Kentucky due to substantial agricultural losses due to drought. Dry pastures and diminished stock ponds were problematic for livestock producers.

MISSOURI, Southeast

(MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112)

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MISSISSIPPI, (MO-Z114) NEW MADRID	09/01/10 00:00 CST		0	Drought
	09/30/10 23:59 CST		0	
<p>Severe drought developed over a few counties near the Mississippi River, while moderate drought conditions persisted south and west of Cape Girardeau. With the exception of a heavy rainfall event from the remnants of Tropical Storm Hermine, rainfall was rather hard to come by in September. Hermine brought three to five inches of rain on the 9th and 10th to parts of southeast Missouri. While this rainfall was very beneficial, there was generally less than an inch the rest of the month. Hermine greatly improved short-term rainfall deficits, but year-to-date rainfall deficits were still 4 to 8 inches. By month's end, 32 percent of the Missouri cotton harvest was rated poor or very poor. Eighty-seven percent of pasture land in the extreme southeast corner of the state was rated as poor or very poor, which impacted hay crops. Crop harvests were well underway in September, but crop damage figures were not yet available. Unirrigated corn yields were expected to be a total failure in some places.</p>				
PERRY COUNTY --- LITHIUM [37.83, -89.88]	09/01/10 16:40 CST		4K	Thunderstorm Wind (EG 50 kt)
	09/01/10 16:50 CST		0	Source: Newspaper

Strong winds blew limbs down across many county roads, as well as a large tree across County Road 922. A small tree fell across a driveway.

Scattered thunderstorms developed during the late afternoon hours in a warm southerly wind flow. The storms were aided by daytime heating and the approach of a weak 500 mb shortwave trough from the southwest.